

ESD1.18 Technical Data Sheet

Introduction

The ESD1.18 is the passive version of the incredible active EX1.8. The ESD1.18 features neodymium woofer with power handling capabilities of 1000W which makes a firm foundation from which to build an incredibly powerful ESD system, or as a stand alone subwoofer to enhance any existing passive or active system.

Features

- Professional, Baltic birch construction with wear resistant polymer coating
- 131dB sustained output, 134dB peak
- Excellent reproduction of bass frequencies with high transient content at high output levels
- 18" high output, low frequency driver with 4" (75 mm) inside/outside, epoxy baked, high temperature, voice coil assembly and neodymium magnetic structures
- Two recessed side handles for simplified handling and carrying
- Pole mount M20
- Non-threaded 35 mm Pole mount adaptor available as accessory KVV987290
- Thermal breaker protection with auto reset



Application

Specifically designed as a passive subwoofer to accompany any of the ESD range to create true full range system performance

- Fixed installation
- Portable PA
- Bars-small entertainment projects
- Scalable into larger systems

| System Acoustic Performance | |
|-----------------------------|---------------|
| Max SPL Long-term | 131dB |
| Max SPL Peak | 134dB |
| -3dB Response | 30Hz to 150Hz |
| -10dB Response | 28Hz to 170Hz |
| Recommended Power | 1000W |
| Sensitivity | 100dB |
| Impedance | 8Ω |
| Crossover Point | 80 to 150Hz |

| Low Frequency Section | |
|--|-----------------------------|
| Acoustic Design | Twin Asymmetrical loading |
| Number of Drivers | 1 |
| Woofer Size / Voice Coil Diameter / Design | 18" / 4" / Inside Outside |
| Diaphragm Material | Epoxy Reinforced Cellulose |
| Magnet Type | Neodymium |
| Protection | Thermal breaker - autoreset |

| Speaker Input | |
|---------------|-------------------------------------|
| Speaker Input | 2x Neutrik Speakon®, Terminal Block |

| Cabinet | |
|------------------|--|
| Cabinet Material | Baltic birch |
| Handles | 2 |
| Pole Mount | M20 |
| Color | "Orange peeled" Matt Black or any RAL |

| Physical Dimensions | |
|---------------------|------------------|
| Height | 612 mm (24.1") |
| Width | 700 mm (27.56") |
| Depth | 750 mm (29.5") |
| Weight | 52 kg (114.7lbs) |

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Architectural Specifications

The Loudspeaker shall be a Twin Chamber Bass Reflex design using SLA Technology (Super Live Audio) and shall be driven and controlled by a dedicated matched Controller (ESP2000, ESP4000 or alternatively with a third party amplifier of the users choice).

The Loudspeaker enclosure shall consist of one 18" Neodymium magnet structure Low Frequency-high definition-output driver.

The cabinet enclosure shall be made from reinforced Baltic Birch Ply, with toughened impact and wear resistant paint finish.

The enclosure shall include four high impact, low friction feet on the bottom panel.

The enclosure shall incorporate a recessed connection panel and will be fitted with a double input/output Speakon locking connector.

A 4 pole barrier strip will be incorporated in the connection panel to allow bare wire connection.

The Loudspeaker shall have a maximum long term sound pressure level of 131 dB, have a total peak power handling capacity of 1000W and have a measured on axis frequency response of 30Hz to 150Hz (-3dB), 27Hz to 150Hz (-10dB).

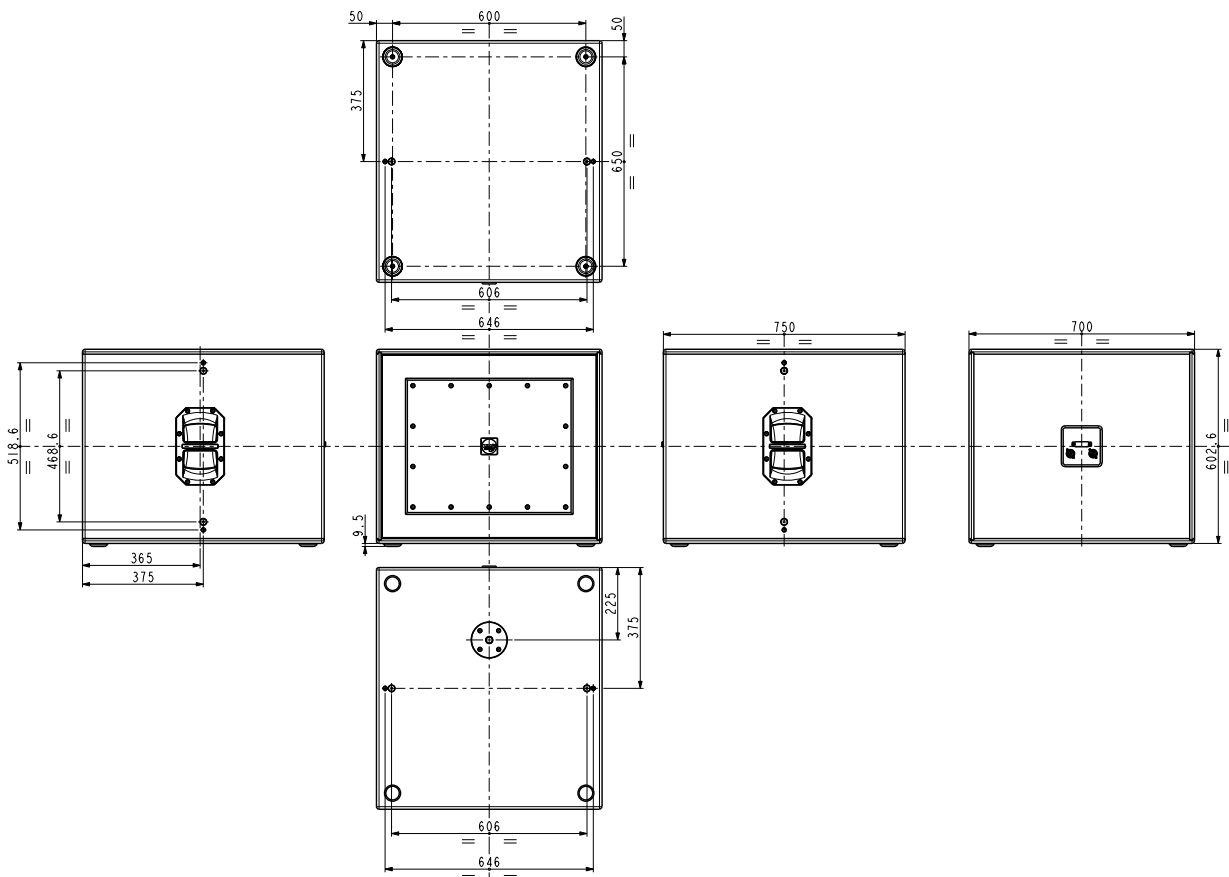
The Enclosure dimensions shall be: 612 mm /24.1" x 700 mm /27.56" x 750 mm /29.5"

The Enclosure shall not exceed a weight of 52 kg /114.7lbs.

The Loudspeaker shall be the KV2 Audio ESD1.18.

The dedicated Amplifier shall be the KV2 Audio ESP2000/4000 – (Or alternative third party amplifier).

Dimensional Drawings



The future of sound. Made perfectly clear.



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